



Services • business

Design, BIM modelling and independent review of building services. As a direct supplier or as a subcontractor under your own name.

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We work with contractors, consultancies, property managers and owners of commercial property. We do not install systems and we do not sell equipment — our assessment is not tied to any particular supplier.

Around 20 years of practice in Ukraine, Latvia and Denmark: offices, retail, housing and logistics warehouses.

DESIGN BASIS

BR18 — the Danish building regulations

DS 447 — ventilation in buildings

DS 469 — heating and cooling systems in buildings

DS 418 — calculation of heat loss from buildings

DS 439 — water installations

DS/EN 16798-1 and -3 — indoor climate and ventilation, non-residential

B1 • Design

From requirement specification to a finished set of documents. We agree the level of detail at the beginning: a concept design for budgeting, or a full set of construction documents.

B-01 Requirement specification for HVAC design

We set out what the system has to deliver: indoor climate parameters, air volumes, operating modes, and requirements for equipment, documentation and BIM. A document you can take to designers and contractors — and one that makes their offers comparable on the same basis.

B-02 Design of HVAC systems and pump stations in Revit

Model, drawings, diagrams and schedules. Ventilation, heating and cooling, water supply pump stations, and heating and cooling plant rooms.

B-03 Water installation design

Cold and hot water distribution, circulation, sizing and legionella measures. As a direct commission or as a subcontractor under your name.

B-04 Schematics and functional diagrams

System diagrams, operating logic and I/O point list — the basis for agreeing interfaces with the controls supplier and the installer.

B-05 Engineering calculations

Air volumes, heat loss, cooling loads, hydraulics and equipment selection. As a standalone task or as part of a design package.

B-06 Schedules, equipment lists and calculation tables

Set up to your standard or to the client's requirements.

B2 • BIM and Revit

B-07 MEP modelling in Revit

Level of detail LOD 200–400 as agreed.

B-08 MEP coordination and clash detection

We find clashes between the discipline models and deliver a clash report with proposed resolutions. We work in Navisworks, Dalux and Trimble Connect.

B-09 Revit company template

One template built to your drawing standard: views, filters, schedules, sheets and title blocks.

B-10 Parametric and static Revit families

Components, valves and assemblies — for your catalogue or for a specific project.

B-11 Shared parameters file

One data structure for the whole template: schedules, tags, view filters, presentation and correct mapping on IFC export. One parameter — one value across every project.

B-12 Completing an existing project

Adding schedules, views, tags, sheets and drawings to the set.

B-13 Model check before handover

An extra pair of eyes before delivery: geometry, parameters, naming, whether the data is complete, and compliance with the project's ICT requirements. Checked in Revit, Navisworks, Dalux and Trimble Connect. Report listing what should be corrected.

B-14 IFC export setup to ICT requirements

Parameter mapping and export configuration to the client's data exchange requirements.

B-15 Converting a 2D project to Revit

Building the model from existing AutoCAD or PDF drawings.

B-16 As-built model and handover documentation

Updating the model and the document set to match what was actually installed.

B3 • Independent review

B-17 Survey of existing systems and technical assessment

Condition, actual performance, bottlenecks and upgrade potential.

B-18 Design review and assessment

Independent check of someone else's documentation before installation begins — while a mistake still costs hours rather than weeks.

B-19 Verification of the contractor's schedules and quantities

We reconcile the quantities claimed against the design and against what was installed.

B-20 Technical assessment of premises before purchase or lease

For companies renting or buying an office, warehouse, shop or production space without an engineer on staff. We show the condition of the ventilation, heating and cooling, what investment is to be expected in the coming years, and what to agree before signing.

B4 · Project capacity and supervision**B-21 Additional capacity for your design team**

MEP designer or BIM specialist by the hour or for a defined phase. Under your name and in your template if required.

B-22 Technical supervision during installation

Review of the contractor's installation drawings, answers to queries, and verification that the work follows the design.

AN AREA WE ARE BUILDING UP

Cooling for data centres and server rooms. We deliberately describe this as an area under development rather than an established speciality — and we are happy to discuss work on exactly that basis.

DELIVERABLES

- Revit (.rvt) and IFC
- Drawings: PDF and DWG
- Schedules and calculations: XLSX and PDF
- Assessments and reports: PDF

WHAT WE DO NOT DO

- installation work
- equipment sales
- plumbing work subject to authorisation — requires an authorised Danish VVS installation company
- energy labelling of buildings

HOW TO START

Send drawings, a model or a description of the task. We will tell you which item on this list fits, how long it takes and what it costs. Scoping is free of charge. We are happy to sign a non-disclosure agreement (NDA).